Anti- MMP-9

Cat #: HM1229
Mouse monoclonal IgG
0.2 μg/μl, store at 4 ^{o}C

For research use only

BACKGROUND
The matrix metalloproteinases (MMP) are a family of peptidase enzymes that are involved in the breakdown of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. This process is important in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP-9 degrades type IV and V collagens. Studies in rhesus monkeys suggest that MMP-9 is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.

SPECIFICITY
This antibody specifically reacts with MMP-9 of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitiation and immunohistochemistry.

IMMUNOGEN
A synthetic peptide derived from N-terminus of human MMP-9 protein.

STORAGE
This antibody is stable for 12 months when stored at 2-8^{o}C.

REFERENCES
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